Visualize Noise

Boxplot to visualize outliers

Distribution of Numeric Features

Distribution of Quantity

Distribution of UnitPrice

Box Plots for Outliers

Box Plot of Quantity
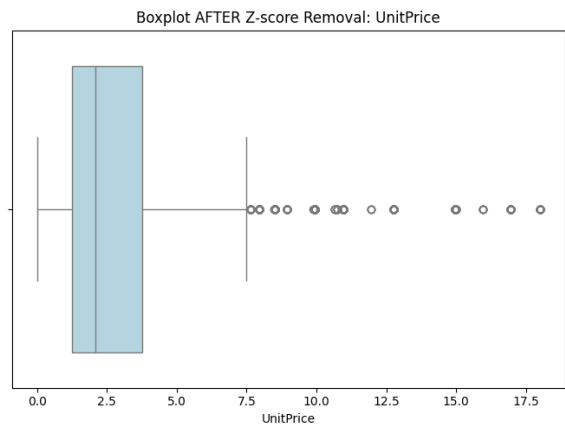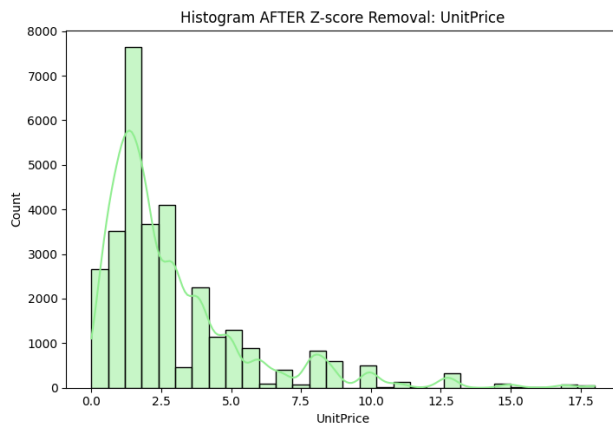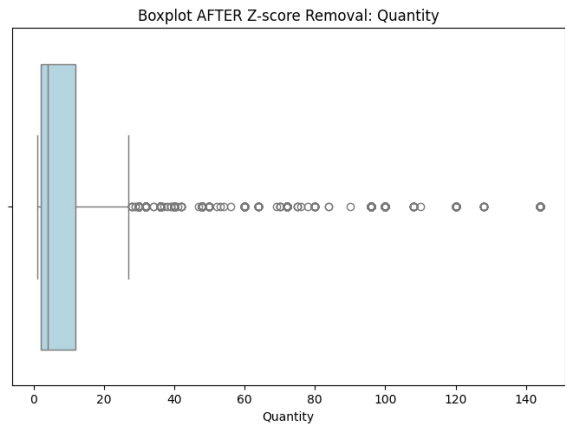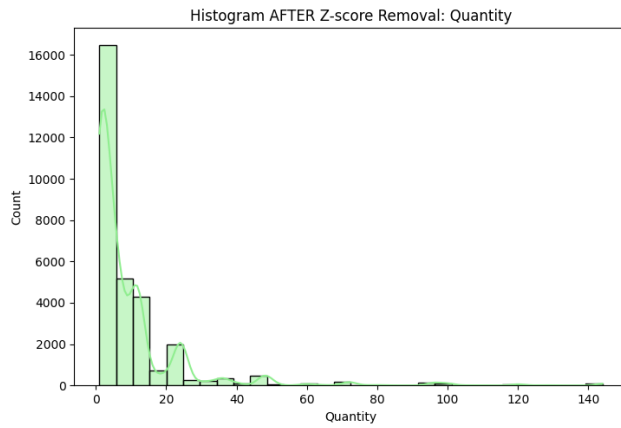
Box Plot of UnitPrice
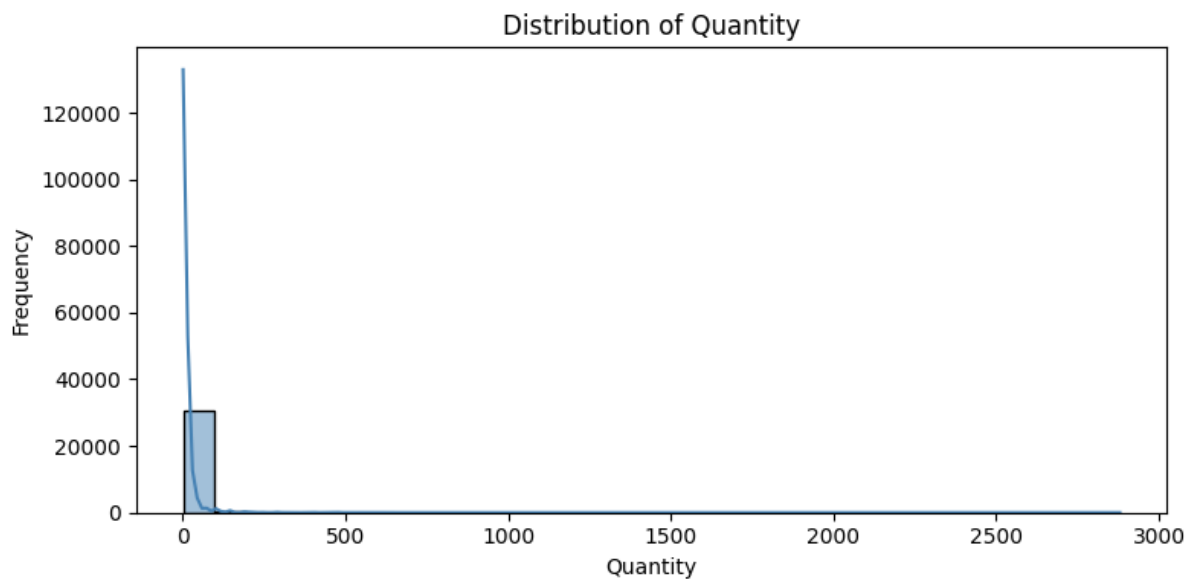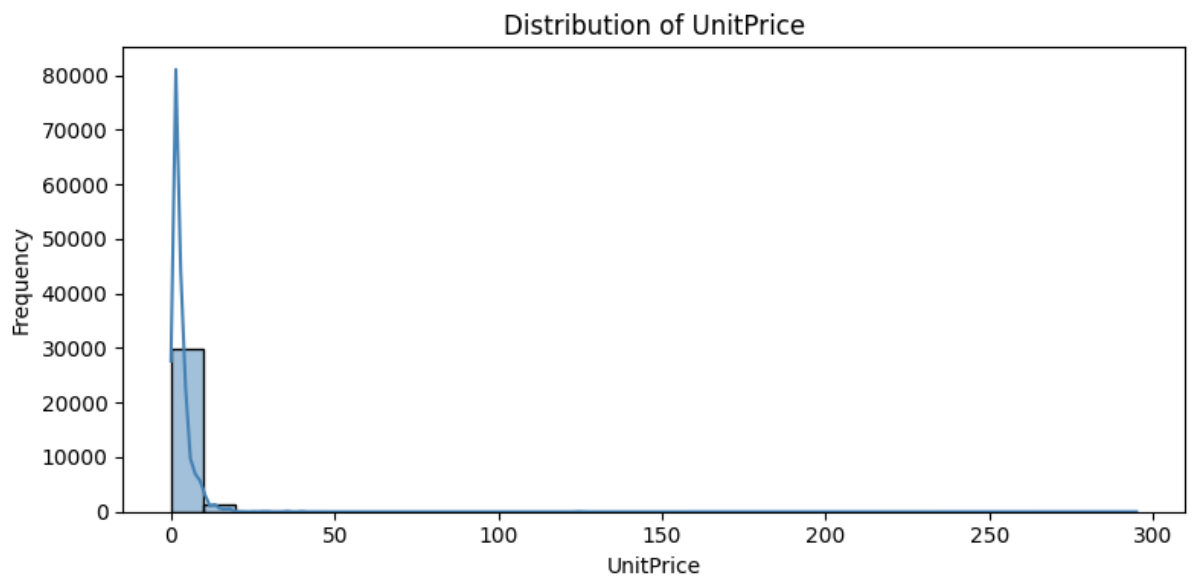
Correlation Heatmap
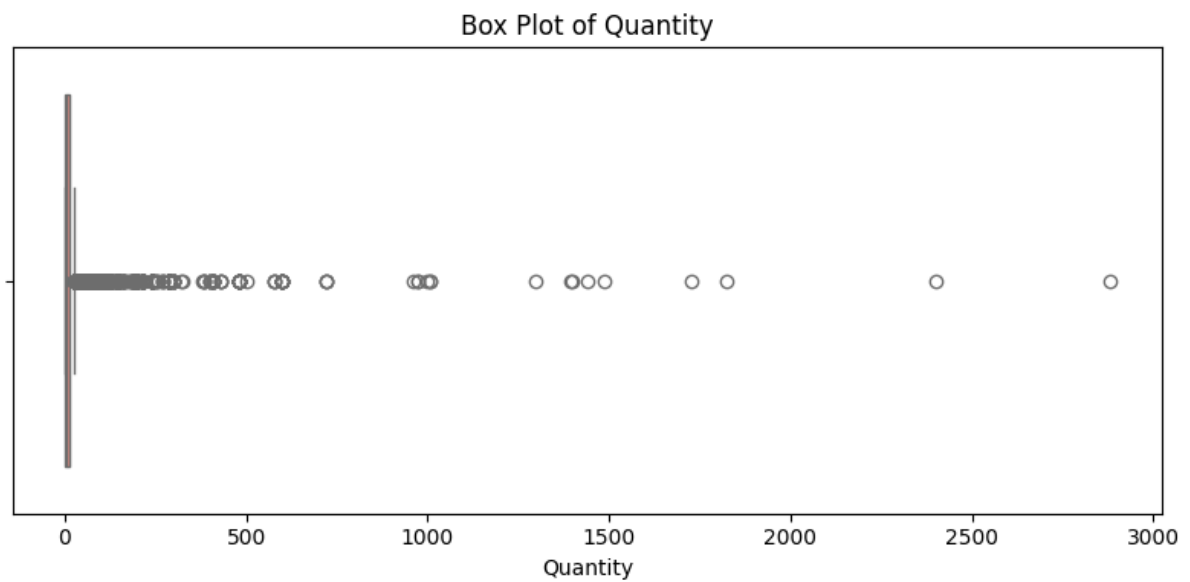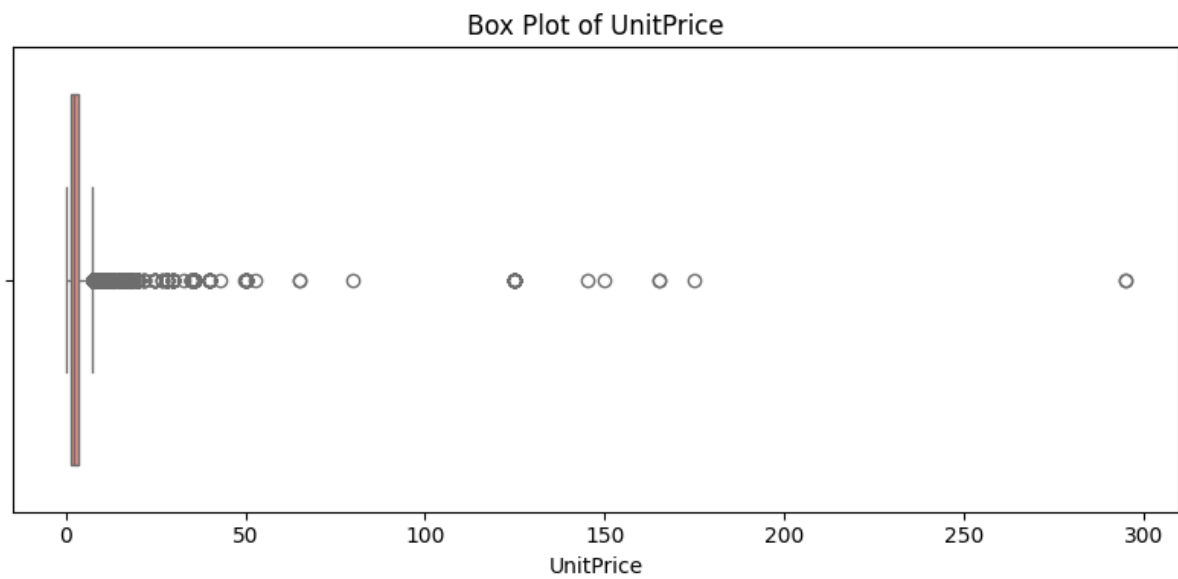
Correlation Heatmap
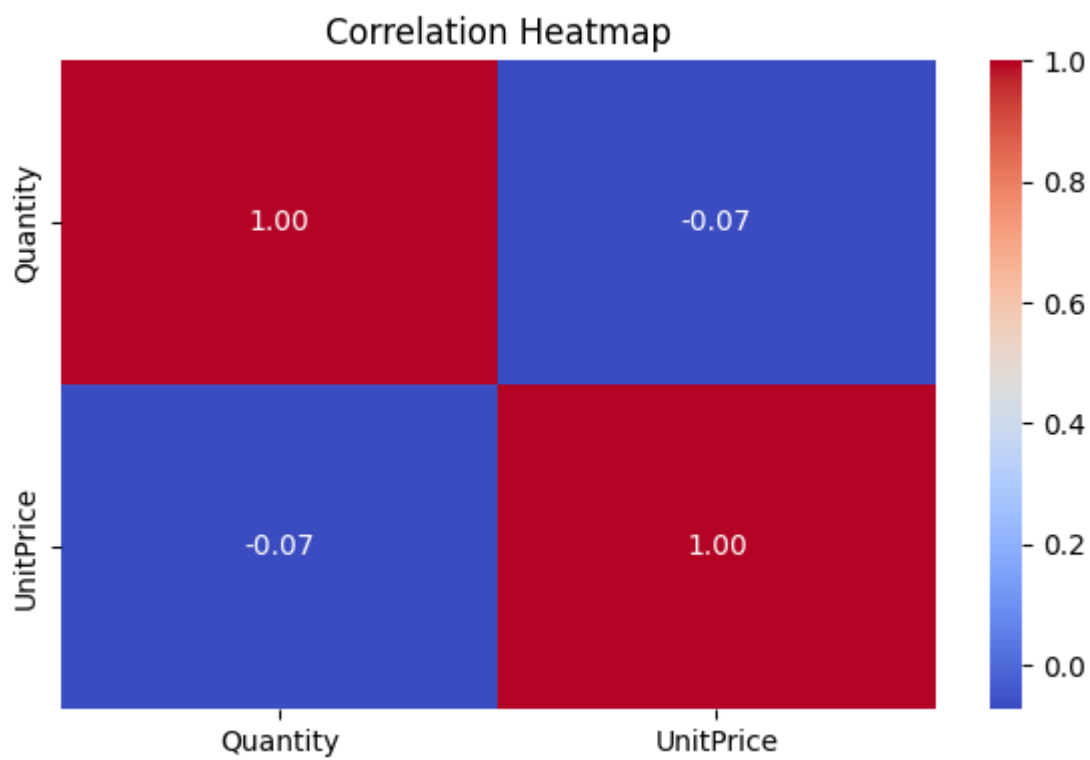
3.7 Hash Encoding (Feature Hashing)
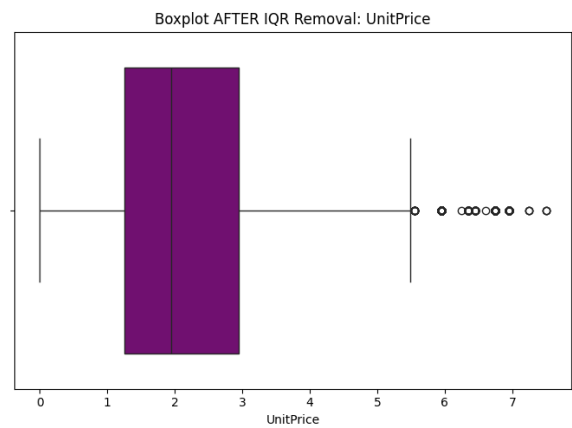
Customer Distribution by Country (Log Scale, Sorted)
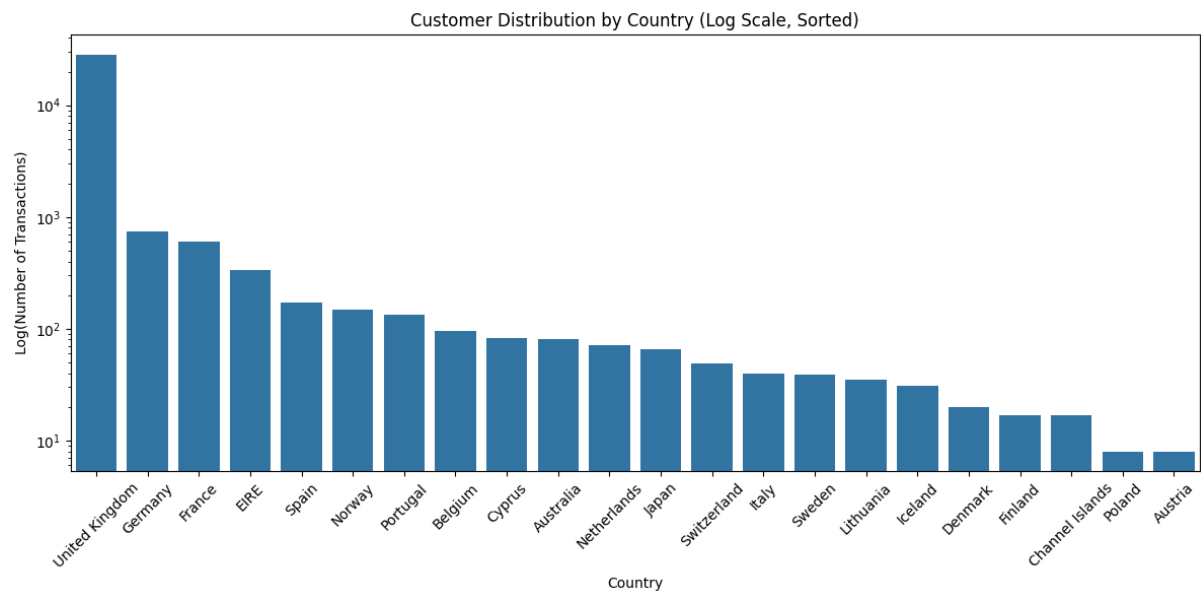
Before Outlier Removal
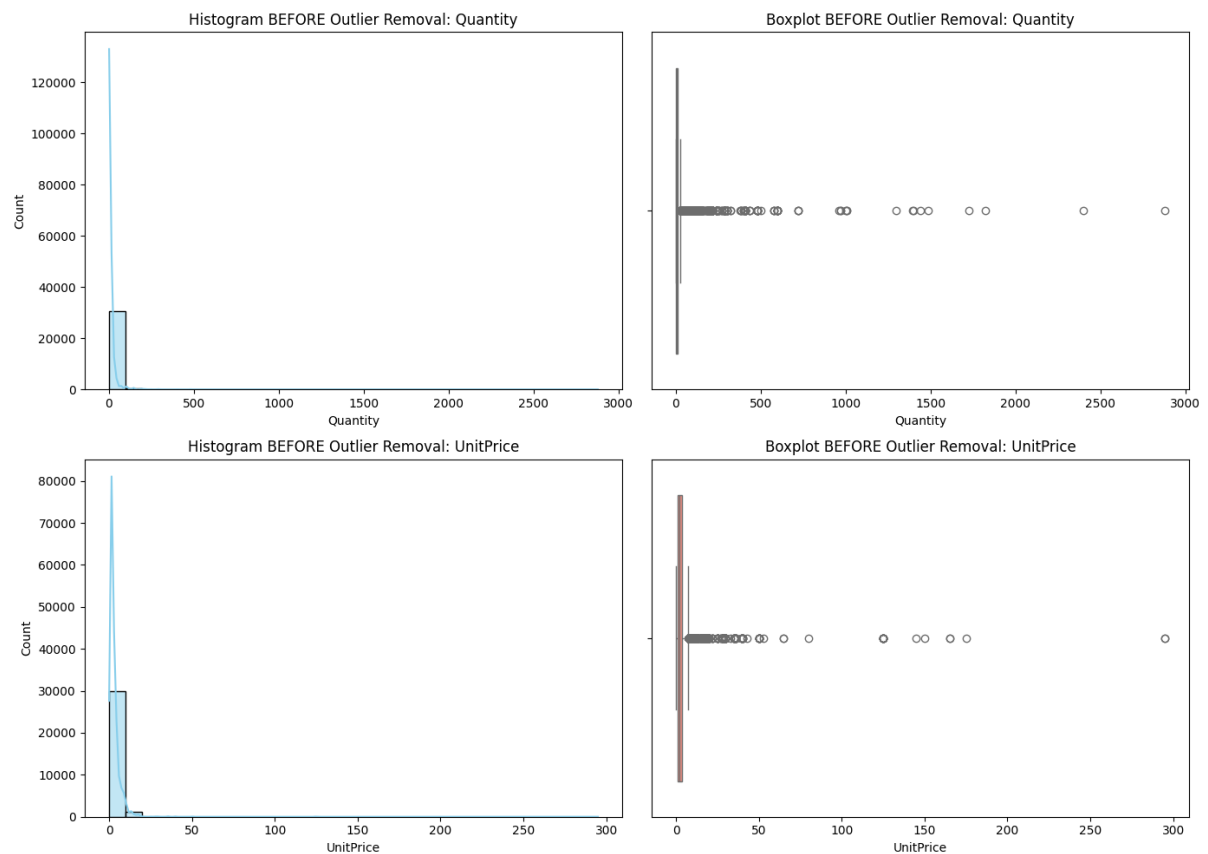
After Outlier Removal (Z-score)

Histogram AFTER Z-score Removal: Quantity

Boxplot AFTER Z-score Removal: Quantity

Histogram AFTER Z-score Removal: UnitPrice

Boxplot AFTER Z-score Removal: UnitPrice

After Outlier Removal (IQR)

Histogram AFTER IQR Removal: Quantity

Boxplot AFTER IQR Removal: Quantity

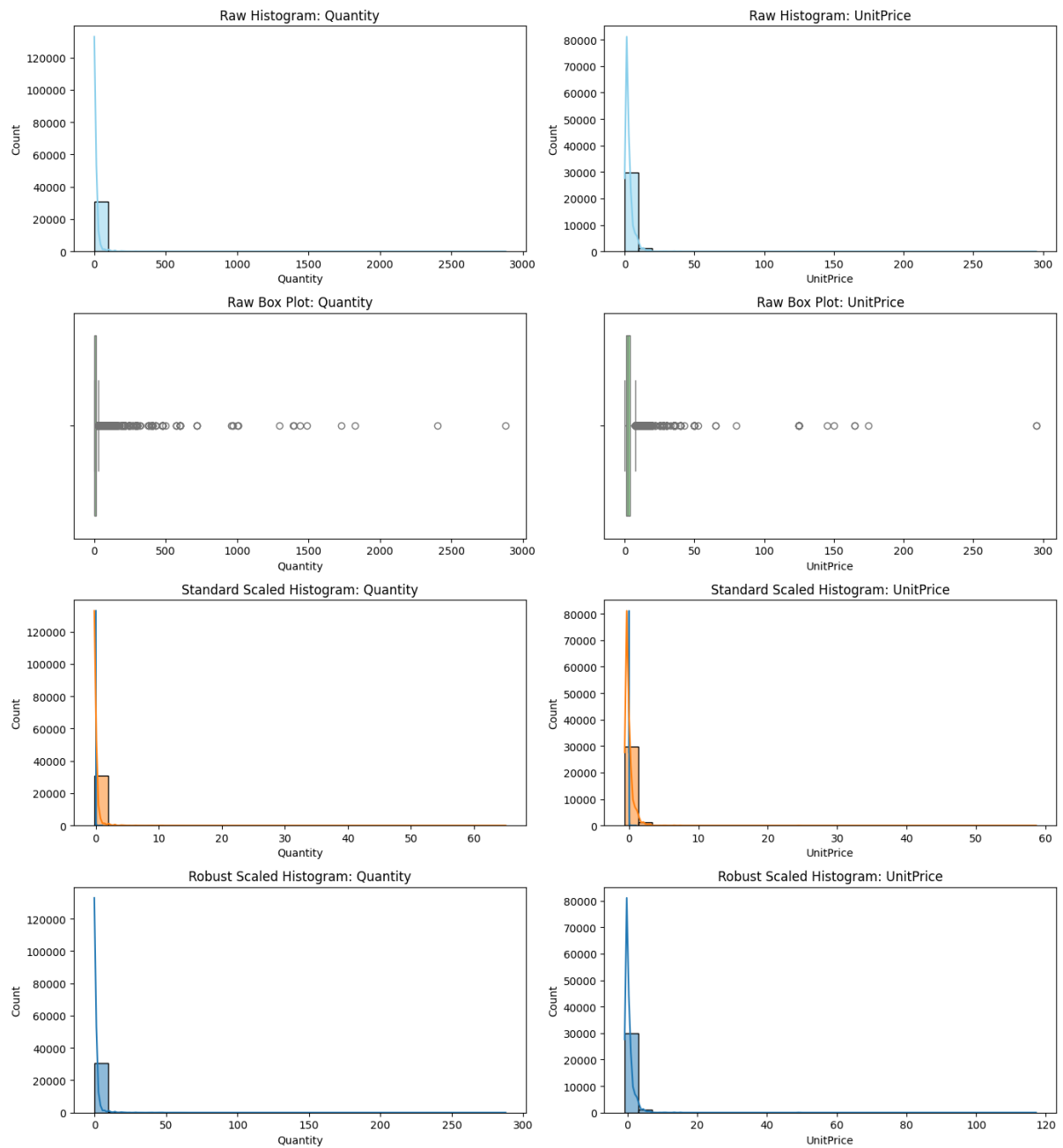Histogram AFTER IQR Removal: UnitPrice

Boxplot AFTER IQR Removal: UnitPrice
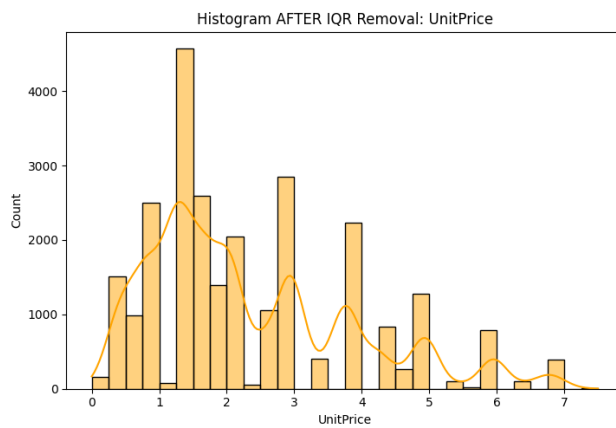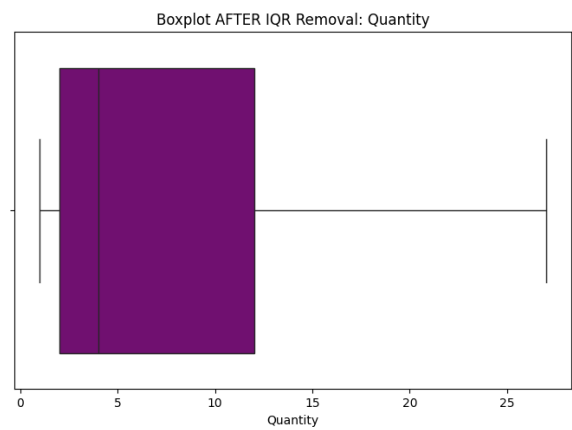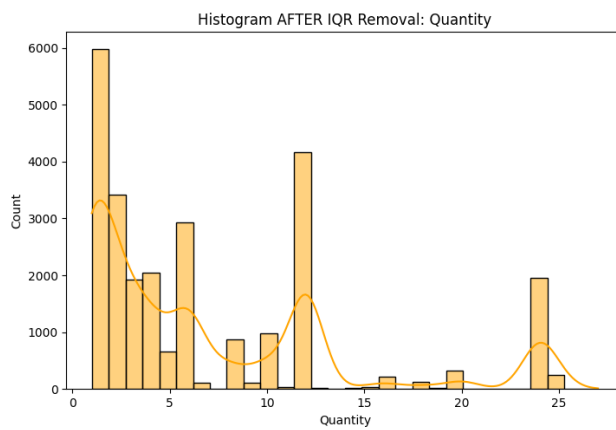
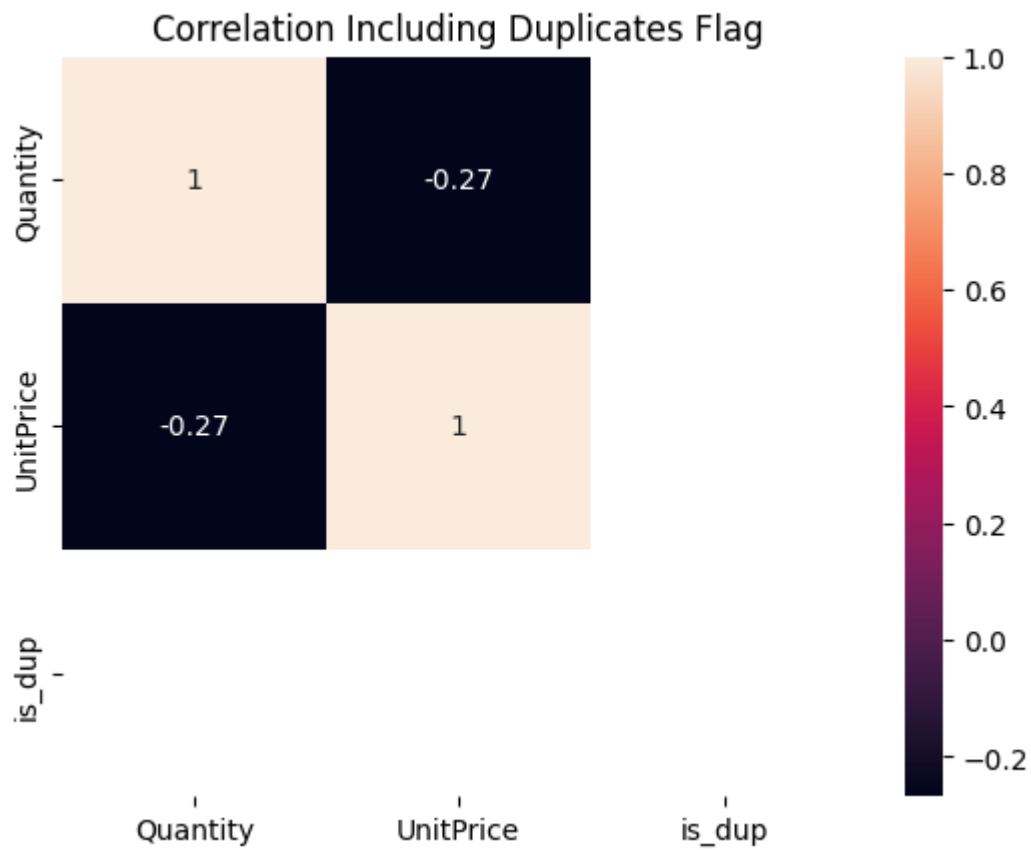# 5) Normalization / Scaling

Normalization / Scaling EDA Visualizations

6. Feature Engineering

Correlation Including Duplicates Flag

7) Data Transformation

Original Salary Distribution

Transformed Salary Distribution

Correlation Heatmap After Transformation